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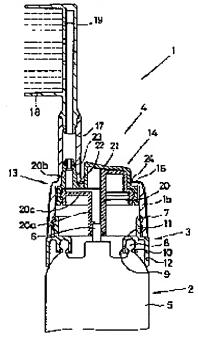
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# (54) AEROSOL CONTAINER HAVING COMB-SHAPED DISCHARGING DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To propose the introduction of an aerosol container having a comb- shaped discharging device which is fixed to the upper end of the container body, having an ability to ensure smooth discharge of the contents and keep good tightness against liquid at the joint, having combing teeth in such a way that their use is not encumbered with the container body, and which can be manufactured at low cost. SOLUTION: At the front end part of a top wall 16 a discharging cylinder 17 with the lower end open is erected and a discharging-device body 13 having a set of combing teeth 18 on the front is fixed to the upper end of a container body. A connecting cylinder member 14 combined integrally with a press button 21 is provided. This connecting cylinder member 14 has a connecting cylinder 20 whose lower end is fitted on a stem 6 of the container body and whose upper end, displaced to the front part, is fitted in the lower part inside the discharging cylinder 17 with tightness secured



against liquid and in a manner of being capable of sliding. The upper end part of the connecting cylinder 20 is formed with a smaller diameter and has on the outer periphery a projecting, skirtshaped annular piston 23.

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### **DETAILED DESCRIPTION**

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the aerosol can equipped with the Kushigata regurgitation implement.

[0002]

[Description of the Prior Art] An internal discharge valve opens by protruding a stem on upper limit possible [vertical movement] in the upper part energization condition as an aerosol can, and depressing this stem, and what consists of an aerosol-can object constituted so that the regurgitation of the receipt liquid might be carried out, and a tubed head which comes to prepare the dipping way which results in a front teeming hole in the interior while making this stem carry out attachment immobilization is known by the general pole target.

[0003] By depressing a head, a stem is depressed, the discharge valve of the depression valveopening type prepared in the interior of a bottle object at that time opens these, and they are constituted so that liquid may be breathed out by the teeming hole of a head through a dipping way from stem upper limit with receipt gas pressure.

[0004] Moreover, recently, what replaced with the above-mentioned head and was equipped with the Kushigata regurgitation implement as application of such a container is proposed. While making a peripheral wall lower limit fix to the installation cylinder made to fix to a bottle object, and this cylinder and equipping them as these containers While carrying out opening of the lower limit in the center of a top wall installed from peripheral wall upper limit, setting up the teeming cylinder in which the dipping way was formed inside and protruding a ctenidium from the front face of a teeming cylinder further the body of a regurgitation implement which carried out opening of the discharge opening to the teeming cylinder of the ctenidium end face section, and the above-mentioned installation cylinder -- a hinge -- minding -- the upper and lower sides, while penetrating the center of a rocking plate prepared rockable and preparing in one a lower limit -- the above-mentioned stem -- attaching -- upper limit -- the lower part in a teeming cylinder -- liquid -- there are a connection cylinder made fitting of the sliding of densely and possible, and a thing which comes to have the push button which the above-mentioned body top wall of a regurgitation implement was penetrated [ push button ], and made upper limit project possible [ pushing ] while setting up from a rocking plate posterior part.

[0005] And by pushing in a push button, a stem is depressed with the rotation descent rocking plate centering on a hinge, and it constitutes so that the regurgitation of the liquid in a bottle object may be carried out through a discharge opening through a connection cylinder from a dipping way.

[0006]

[Problem(s) to be Solved by the Invention] With the above-mentioned conventional container, there is a problem that operability is bad and cannot perform smooth teeming of contents easily. That is, the force works so that a connection cylinder may rotate back in the case of lower part rotation of a rocking plate, since the body of an installation cylinder and regurgitation implement is fixed to the body of a container in this case, respectively, and it does not move, although a rocking plate will be depressed considering a hinge as the supporting point if a push button is pushed in, but the connection cylinder is formed in a rocking plate and one on the other hand (it is pressed by the internal surface of a dipping way in practice to the front, and there is no rotation to back). Therefore,

in case it descends to 0-ring made to attach in a connection cylinder point periphery below, the big force works locally back, the sliding nature of 0-ring worsens, the operability of a container worsens, and a problem arises also to fluid-tight nature.

[0007] It proposes the outstanding container which can maintain the good fluid-tight nature of the connection section while one of the purposes of this invention is excellent in operability and it can pour out contents smoothly.

[0008] Moreover, although the connection cylinder upper limit periphery was made to carry out attachment immobilization of the 0-ring as described above in order to maintain conventionally the fluid-tight nature of the connection cylinder point which moves the inside of a teeming cylinder up and down, it was hard to perform attachment of this 0-ring mechanically, and it was performed manually conventionally. Then, one of the purposes of this invention does an attachment activity easy, and it proposes the container which can be manufactured cheaply as a result.

[0009] Moreover, although this conventional seed container has discarded the container, carrying out wearing immobilization of the Kushigata regurgitation implement at a bottle object after exhausting receipt liquid, it is uneconomical. [ of discarding the Kushigata regurgitation implement one by one ]

[0010] Then, the outstanding container which one of the purposes of this invention discards the bottle object which contained liquid, and the installation cylinder part material which plays the auxiliary role in the case of the Kushigata regurgitation implement wearing after receipt liquid use in addition to each above-mentioned purpose, the Kushigata regurgitation implement is constituted so that it can use repeatedly, the attachment and detachment can moreover carry out very easily, and does not cause a depression is proposed.

[0011] Moreover, since the teeming cylinder has stood up in the center, most ctenidiums which project from there are located in the bottle object upper part, and this conventional seed container has the fault of a bottle object interfering and being hard to use a ctenidium.

[0012] One of the purposes of this invention proposes the outstanding container which makes it easy to use locating a ctenidium ahead, and moreover does not cause a depression.
[0013]

[Means for Solving the Problem] The aerosol-can object 2 which makes a stem 6 come to project more possible [vertical movement in the upper part energization condition] than the center of a top face in order that this claim 1 invention container may solve the above-mentioned technical problem, It becomes this bottle object upper part from the Kushigata regurgitation implement 4 which carried out attachment immobilization. This Kushigata regurgitation implement 4 While carrying out opening of the lower limit to the top wall 16 front-end section installed from the peripheral wall 15 upper-limit edge fixed to the bottle object and setting up the teeming cylinder 17 upwards While making connection cylinder 20 lower limit attach in the body 13 of a regurgitation implement which protrudes a ctenidium 18 on this front face of a teeming cylinder, and comes to puncture the teeming cylinder of the ctenidium end face section a discharge opening 19, and the stem 6 above-mentioned upper limit Fitting of the vertical movement is made densely and possible. the connection cylinder upper limit made to change to the front -- the lower limit section in the above-mentioned teeming cylinder 17 -- liquid -- And it constituted as an aerosol can equipped with the Kushigata regurgitation implement characterized by coming to have the connection cylinder part material 14 which comes to prepare in one the push button 21 which penetrated the top wall 16 of teeming cylinder back, and was projected possible [depression].

[0014] moreover, the annular piston 23 periphery edge of the shape of a skirt board which protruded from the narrow diameter portion part periphery while the claim 2 invention container formed the upper limit section of the above-mentioned connection cylinder 20 in the minor diameter -- the inside of the above-mentioned teeming cylinder -- liquid -- it constituted as an aerosol can according to claim 1 come it densely and possible to carry out fitting of the sliding of.

[Embodiment of the Invention] Hereafter, the gestalt of the example of this invention is explained with reference to a drawing. As shown in <u>drawing 1</u>, this invention container 1 is equipped with the aerosol-can object 2, the installation cylinder part material 3, and the Kushigata regurgitation implement 4.

[0016] Push in the aerosol-can object 2 in the tubed center of drum section 5 upper limit in the state of upper part energization, and it makes a stem 6 protrude possible, and a built-in discharge valve opens it by depressing this stem, and it has the well-known regurgitation device constituted so that the regurgitation of the receipt liquid might be carried out from stem upper limit with gas pressure. [0017] The installation cylinder part material 3 is the thing equipped with the installation cylinder 7 for making a bottle object equip with the Kushigata regurgitation implement 4, and is attached and fixed to bottle object upper limit. For example, as shown in drawing 1, while installing the inside-and-outside fitting cylinders 9 and 10 of the pair which carried out fitting to the both sides of the circular protruding line 8 which protruded on the bottle object drum section 5 top-face periphery section from a doughnut tabular top plating 11 inside edge, a peripheral wall 12 is installed, it attaches upwards from the top plating 11 top-face periphery section, and further, one is made to stand up and a cylinder 7 consists of top plating 11 radial border.

[0018] The Kushigata regurgitation implement 4 is equipped with the body 13 of a regurgitation implement, and the connection cylinder part material 14. It carries out opening of the lower limit to the top wall 16 front-end section installed from the peripheral wall 15 upper-limit edge, and the body 13 of a regurgitation implement sets up the teeming cylinder 17 upwards, and protrudes a ctenidium 18 on teeming cylinder 17 front face, and is drilling the discharge opening 19 in the teeming cylinder of the end face section while fitting of the peripheral wall 15 lower part is carried out to the installation cylinder 7 above-mentioned periphery and it makes it equip with it. A discharge opening 19 ends in the vertical direction, and is drilling two or more predetermined spacing in it. Even if fitting of the peripheral wall 15 to the above-mentioned installation cylinder 7 is screwing like drawing 1 R> 1, both protruding lines may overcome it and it may be engagement and the so-called snap fitting method.

[0019] the upper limit made to change to the front while the connection cylinder part material 14 attached a lower limit in the stem 6 above-mentioned upper limit -- the lower limit section in the above-mentioned teeming cylinder 17 -- liquid -- the push button 21 which has the connection cylinder 20 which fitted in densely and possible [vertical movement], and penetrated the top wall 16 of teeming cylinder back, and was projected possible [depression] is formed in one. [0020] while installing lower cylinder part 20a which carried out fluid-tight attachment of the lower limit inside from the center of top plating 22 rear face in a stem 6 upper-limit periphery with the container of drawing 1 -- the lower limit section in the above-mentioned teeming cylinder 17 -- the upper limit section -- liquid -- up cylinder part 20b made fitting of the vertical movement of densely and possible It is setting up from the top plating 22 front-end section top face. Up cylinder part 20b A lower limit and lower cylinder part 20a Upper limit is horizontal cylinder part 20c. The connection cylinder 20 which was made to open for free passage, consequently the upper limit section changed from the lower limit section to the front as a whole is constituted. moreover, up cylinder part 20b upper limit -- a minor diameter -- forming -- the external surface -- looking up -- the annular skirtboard-like piston 23 -- one -- protruding -- the periphery edge -- the inside of the teeming cylinder 17 -- liquid -- fitting of the vertical movement is made densely and possible. Moreover, the push button 21 which protruded is made to project possible [depression] upwards through the window hole 24 drilled in the body 13 of a regurgitation implement from the posterior part top face of top plating 22. [0021] Moreover, as the container of drawing 1 shows the connection cylinder part material 14 to <u>drawing 4</u>, it is up material 14A. It constitutes from two members of lower material 14B. [0022] Up material 14A Top wall 22a which constitutes the top plating 22 above-mentioned upper part from a peripheral wall 25 upper-limit edge It installs and is top wall 22a. Up cylinder part 20b with annular piston 23 which carried out opening of the lower limit to the front end section It sets up and is this cylinder part 20b. Back top wall 22a The push button 21 which was upheaved and was formed is formed in one.

[0023] lower material 14B up material peripheral wall 25 inner circumference -- liquid -- from dense and the peripheral wall 27 upper-limit edge which fits into ejection impossible Above-mentioned top wall 22a Bottom plate 22b which is close to a rear face in a top face, and constitutes the top plating 22 lower part It installs. Moreover, bottom plate 22b Lower cylinder part 20a which carried out opening of the top face in the center It installs below and is bottom plate 22b further. Lower cylinder part 20a Up cylinder part 20from upper limit b The slot 29 which reaches a lower limit location is

formed. the time of making both attach -- up material top wall 22a Lower cylinder part 20a from -- horizontal cylinder part 20c which results in up cylinder part 20b It constitutes so that it may form. Moreover, it constitutes in the supporter 30 which bottom plate 22b of lower cylinder part back was upheaved, and suited the inside configuration of the push button 21 above-mentioned posterior part. [0024] Like the above, by depressing the push button 21, the connection cylinder part material 14 whole descends, as a result, depress a stem 6, the discharge valve in a bottle object is made to open, the liquid in a bottle object passes by gas pressure along the connection cylinder 20, and the constituted container 1 is breathed out through a discharge opening 19 outside from the teeming cylinder 17.

[0025] Moreover, if press of a push button 21 is canceled, while the discharge valve in a bottle object will close the valve according to the upper part energization force of a stem 6 and teeming of liquid will stop, the connection cylinder part material 14 is pushed up upwards, and returns to the original condition. In addition, in each above-mentioned example, each part material is formed using an elastomer, a metal, etc. if needed while forming mainly with synthetic resin.

[Effect of the Invention] having considered this invention container as the previous-statement configuration, as explained above -- the inside of a teeming cylinder -- liquid -- in order that only the vertical direction may move without the connection cylinder to which fitting of the vertical movement of upper limit was made densely and possible receiving the lateral force by depression of a push button, the uniform force works into a sliding part with a teeming cylinder inside, and there is no fear, such as causing poor sliding, and there is also no fear of the liquid spill from this part. Moreover, since the teeming cylinder inside was made to make possible fitting of the sliding of the annular piston which protruded on one to connection cylinder upper limit, as compared with what used the conventional 0-ring, an attachment activity is easy and also has the advantage which can be manufactured cheaply.

[0027] Moreover, since the teeming cylinder is set up in the front end section, it does not become obstructive [ a bottle object ] at the time of ctenidium use, but even if it moreover changed the location of a teeming cylinder, as it described above, teeming cylinder part material can perform good actuation.

[Translation done.]

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### **CLAIMS**

[Claim(s)]

[Claim 1] It consists of an aerosol-can object 2 which makes a stem 6 come to project more possible [ vertical movement in the upper part energization condition ] than the center of a top face, and a Kushigata regurgitation implement 4 which this bottle object upper part was made to carry out attachment immobilization. This Kushigata regurgitation implement 4 While carrying out opening of the lower limit to the top wall 16 front-end section installed from the peripheral wall 15 upper-limit edge fixed to the bottle object and setting up the teeming cylinder 17 upwards While making connection cylinder 20 lower limit attach in the body 13 of a regurgitation implement which protrudes a ctenidium 18 on this front face of a teeming cylinder, and comes to puncture the teeming cylinder of the ctenidium end face section a discharge opening 19, and the stem 6 above-mentioned upper limit Fitting of the vertical movement is made densely and possible. the connection cylinder upper limit made to change to the front -- the lower limit section in the above-mentioned teeming cylinder 17 -- liquid -- And the aerosol can equipped with the Kushigata regurgitation implement characterized by coming to have the connection cylinder part material 14 which comes to prepare in one the push button 21 which penetrated the top wall 16 of teeming cylinder back, and was projected possible [ depression ].

[Claim 2] the annular piston 23 periphery edge of the shape of a skirt board which protruded from the narrow diameter portion part periphery while forming the upper limit section of the abovementioned connection cylinder 20 in the minor diameter -- the inside of the above-mentioned teeming cylinder -- liquid -- the aerosol can according to claim 1 come it densely and possible to carry out fitting of the sliding of.

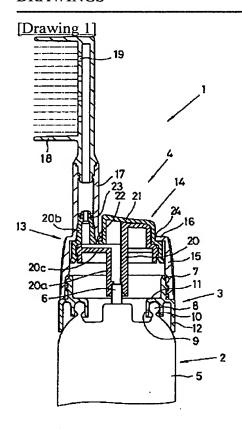
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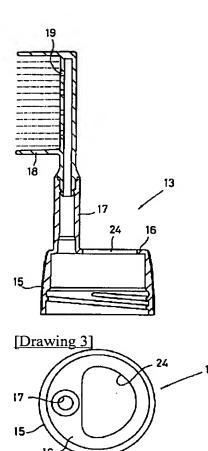
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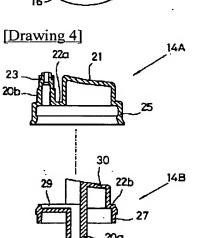
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# **DRAWINGS**



[Drawing 2]





[Translation done.]

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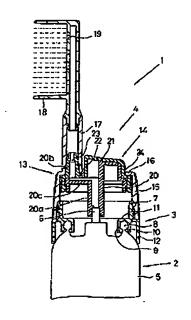
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### (54) 【発明の名称】 櫛形吐出具を備えたエアソール容器

### (57)【要約】

【課題】 エアゾール容器体2の上端に緯形吐出具4を 固定した容器であって、内容物の円滑な往出及び連結部 の良好な液密性の維持を図ることが出来、また、傾歯の 使用の概容器体が邪魔とならず、安価に製造できる容器 を提案する。

【解決手段】 頂壁16前端部に下端を開口した注出筒17 を立設してその前面に締約18を設けた吐出具本体13を容 器体上端に固定し、容器体のステム6に下端を嵌着し上 記注出間17内下部に前方へ変移させた上端を液密且つ槽 動可能に嵌合させた連結筒20を備えるとともに、押し釦 21を一体に形成してなる迫結筒部材14を設けている。ま た。連結筒20の上端部を小径に形成してその外周にスカ ート状の環状ビストン23を突設して構成した。



特開平9-30575

【特許請求の範囲】

【語求項1】 上面中央より上方付勢状態で上下對可能 にステム6を突出させてなるエアゾール容器体2と、該 容器体上部に嵌着固定させた締形吐出具4とからなり、 該仰形吐出具4は、容器体に固定した周壁15上端繰より 延設した頂壁16前端部に下端を開口して上方へ注出筒17 を立設するとともに、該注出筒前面に傾倒18を突設し、 且つ、韓歯基端部の注出筒に吐出孔19を穿護してなる吐 出具本体13と、上記ステム6上端に遮結筒20下端を嵌着 させるとともに、前方へ変移させた連結筒上端を上記往 16 出筒17内下端部に液密且つ上下動可能に嵌合させ、且 つ。注出简後方の頂壁16を質通して押し下げ可能に突出 した押し釦21を一体に設けてなる連結筒部材14とを備え てなることを特徴とする櫛形吐出具を備えたエアゾール 交毁.

【請求項2】 上記連結筒20の上端部を小径に形成する とともに、小径部分外周より突旋したスカート状の環状 ピストン23外周線を上記注出筒内に液密且つ摺筒可能に **嵌合させてなる語求項1記載のエアゾール容器。** 

【発明の詳細な説明】

[0001]

【発明の届する技術分野】本発明は櫛形吐出具を備えた エアゾール容器に関する。

[0002]

【従来の技術】エアゾール容器として、上端に上方付勢 状態で上下動可能にステムを突設し、該ステムを押し下 げることにより、内部の吐出弁が闘弁して、収納液を吐 出する如く構成したエアゾール容器体と、該ステムに嵌 着固定させるとともに、前方注出孔に至る通液路を内部 に設けてなる筒状へッドとからなるものが極一般的に知 30 **られている。** 

【0003】とれらは、ヘッドを押し下げることにより ステムが押し下げられ、その際容器体内部に設けた押し 下げ開弁式の吐出弁が関いて、収納ガス圧により液がス テム上端より通波路を介してヘッドの注出孔より吐出さ れる如く構成している。

【0004】また、最近では、この様な容器の応用とし て、上記ヘッドに代えて仰形吐出具を備えたものも提案 されている。これらの容器として、例えば、容器体に固 定させた取り付け間と、該間に回盟下端を固定させて装 40 着するとともに、周壁上端より延設した頂壁中央に下端 を開口し、内部に通液路を形成した注出筒を立設し、更 に、注出筒前面より締菌を突設するとともに、抑動基礎 部の注出筒に吐出孔を閉口させた吐出具本体と、上記取 り付け筒にヒンジを介して上下揺動可能に設けた揺動板 の中央を頁通して一体に設けるとともに、下端を上記ス テムに嵌着し、上端を注出筒内下部に液密且つ摺筒可能 に嵌合させた連結筒と、揺動板後部より立設するととも に、上端を上記吐出具本体頂壁を貫通して押し込み可能 に突出させた押し釦を備えてなるものがある。

【0005】そして、押し釦を押し込むことにより、ヒ ンジを中心に回動下降する塩動板によりステムを押し下 げ、容器体内の液を連結筒を介して通波路から吐出孔を 介して吐出する如く構成している。

100061

(2)

【発明が解決しようとする課題】上記従来の容器では、 操作性が悪く、内容物の円滑な注出を行い難いという間 題がある。即ち、押し釦を押し込むと揺動板はヒンジを 支点として押し下げられるが、この場合、取り付け箇と 吐出具本体とはそれぞれ容器本体に固定されて動かず、 一方連結節は揺動板と一体に形成しているため、揺動板 の下方回動の際に連結筒は後方へ回動する如く力が働く (実際は通液路の内壁面により前方へ押圧されて後方へ の回勤はない)。従って、連結筒先端部外国に嵌着させ た0-リングには、それが下方へ下降する際に後方へ局 部的に大きな方が働き、①‐リングの摺動性が悪くな り、従って容器の操作性が悪くなり、また、液密性にも 問題が生じる。

【0007】本発明の目的の一つは、操作性に優れ、内 20 容物を円滑に注出することが出来るとともに、連結部の 良好な液密性を維持することが出来る優れた容器を提案 するものである.

【①①08】また、従来は注出箇内を上下動する連結筒 先端部の液密性を維持するため、上記した如く、連結筒 上端外周に0-リングを嵌着固定させていたが、との0 ーリングの組み付けは機械的に行い難く、従来は手作業 で行っていた。そこで、本発明の目的の一つは、組み付 け作業を容易にし、その結果安価に製造できる容器を提 案するものである。

【①①①9】また、従来のこの程容器は、収納液を使い 切った後は、仰形吐出具を容器体に装着固定したまま容 器を廃棄しているが、梅形吐出具を一々廃棄するのは不 経済である。

【0010】そとで本発明の目的の一つは、上記各目的 に加えて、収納液使用後は、液を収納した容器体と締形 吐出具装着の際の領助的役割を果たす取り付け筒部材と を廃棄して、御形吐出具は何回も利用出来る如く構成 し、しかもその着脱が極めて容易に行えて且つ機能低下 を来すことのない優れた容器を提案するものである。

【0011】また、従来のこの程容器は、注出筒が中央 に起立しているため、そとから突出する韓歯の大部分が 容器体上方に位置し、容器体が邪魔して締歯が使い難い という欠点がある。

【0012】本発明の目的の一つは、「櫛歯を前方に位置 させて使い易くし、しかも機能低下を来すことのない優 れた容器を提案するものである。

[0013]

【課題を解決するための手段】本請求項1発明容器は上 記課題を解決するため、上面中央より上方付勢状態で上 55 下勁可能にステム6を突出させてなるエアゾール容器体

http://www4.ipdl.ncipi.go.jp/tjcontenttrns.ipdl?N0000=21&N0400=image/gif&N0401...

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【0014】また、請求項2発明容器は、上記連結筒20の上端部を小径に形成するとともに、小径部分外層より 実設したスカート状の環状ピストン23外國縁を上記注出 筒内に液密且つ摺動可能に嵌合させてなる請求項1記載 のエアゾール容器として構成した。

#### [0015]

【発明の実施の形態】以下、本発明の実施例の形態を図面を参照して説明する。図1に示す如く、本発明容器1は、エアゾール容器体2と、取り付け簡部材3と、締形吐出具4とを備えている。

【0016】エアゾール容器体2は、 筒状の胴部5上端 中央に上方付勢状態で押し込み可能にステム6を突設させ、 該ステムを押し下げることにより内蔵吐出弁が騁 き、ガス圧で収納液をステム上端より吐出する如く構成 した公知の吐出機棒を有するものである。

【0017】取り付け筒部村3は締形吐出具4を容器体に装着させるための取り付け筒7を備えたもので、容器体上端に嵌着して固定する。例えば、図1に示す如く、容器体胴部5上面図練部に突設した円形突条8の両側に嵌合させた一対の内外嵌合筒9、10をドーナツ板状の頂板11内側縁部より全数するとともに、頂板11外側繰からは周壁12を登設し、戻に、頂板11上面周縁部から上方へ取り付け筒7を一体に起立させて構成する。

【0018】 仰形吐出具4は、吐出具本体13と、連結筒部村14とを備えている。吐出具本体13は、上記取り付け筒7 外国に国壁15下部を嵌合させて装着させるとともに、 周壁15上端繰より延設した頂壁16前端部に下端を開口して上方へ注出筒17を立設し、また。注出筒17前面に締約18を突設してその基端部の注出筒に吐出孔19を穿設している。吐出孔19は上下方向に所定間隔をあけて複数穿設している。上記取り付け筒7 への周壁15の嵌合は図1の如き螺台であっても良いは、突条相互の繰り越え係台、所謂スナップフィット方式であってもよい。

【0019】連結簡部材14は、上記ステム6上端に下端を嵌着するとともに、前方へ変移させた上端を上記注出 簡17内下端部に液密且つ上下動可能に嵌合した連結筒20 を有し、且つ。注出筒後方の頂壁16を普通して押し下げ 可能に突出した押し釦21を一体に設けている。

【0020】図1の容器では、ステム6上進外周に下端 内面を液密嵌着させた下部筒部20aを頂板22裏面中央よ り垂設するとともに、上記注出筒1777下總部に上端部を 液密且つ上下均可能に嵌合させた上部筒部20b を頂板22 前端部上面より立設している。上部筒部206 下端と下部 筒部20a 上端とは横筒部20c により連通させ、その結 果、全体として、上端部が下端部より前方へ変移した連 結筒20を構成している。また、上部筒部20b 上端は小径 に形成し、その外面より上向きスカート状の環状ピスト ン23を一体に突設し、その外周線を注出筒17内に液密且 つ上下動可能に嵌合させている。また、頂板22の後部上 面から突鼓した押し釦21を、吐出具本体13に穿設した窓 孔24を介して上方へ押し下げ可能に突出させている。 【0021】また、図1の容器では連結筒部材14を図4 に示す如く上部村14A と下部村14Bの二部村で構成して いる。

【0022】上部材14A は、 国壁25上端縁より上記頂板22上部を構成する頂壁22a を延設し、 頂壁22a 前端部に下端を関口した環状ピストン23付きの上部筒部20b を立設し、 該筒部20b 後方の頂壁22a を隆起させて形成した押し釦21を一体に設けている。

【0023】下部材148 は、上部材周盟25内国に液密且つ抜け出し不能に嵌合する周壁27上端繰より、上記頂壁22a 裏面に上面を密接して頂板22下部を構成する底板22b を延設し、また、底板22b 中央に上面を閉口した下部筒部20a を下方へ登設し、更に、底板22b に下部筒部20a 上端から上部筒部20b 下端位置に至る溝29を形成して、両者を嵌着させた際に、上部材頂壁22a とで下部筒部20a から上部筒部20bに至る横筒部20c を形成する如く構成している。また、下部筒部後方の底板22bを隆起させて上記押し釦21後部の内面形状にあった支持部30に機成している。

【0024】上記の如く構成した容器1は、その押し釦21を押し下げることにより、連結筒部村14全体が下降し、その結果ステム6を押し下げて容器体内の吐出弁を開弁させ、ガス圧で容器体内の液が連結筒20を通り、往出筒17から吐出孔19を介して外部へ吐出される。

【0025】また、押し卸21の押圧を解除すると、ステム6の上方付勢力により容器体内の吐出弁が開弁して液の注出が停止するとともに、連結簡部村14が上方へ押し上げられて元の状態に戻る。尚、上記各実施例に於いて、各部村は主として合成樹脂により形成するとともに、必要に応じてエラストマー、金属等を用いて形成する。

#### [0026]

【発明の効果】以上説明した如く本発明容器は、既述機成としたことにより、注出質内に液密且つ上下動可能に上端を安合させた連結筒が、押し釦の押し下げにより横方向の力を受けずに上下方向のみ移動するため、注出筒50内面との行動部分に均一な力が働き摺動不良を起こす等

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の異がなく、また、この部分からの液竭れの減もない。 また、連結筒上端に一体に突設した環状ピストンを注出 筒内面に摺動可能に嵌合させたので、従来の() - リング を使用したものと比較して組み付け作業が容易で、安価 に製造できる利点もある。

【0027】また、注出筒は前逸部に立設しているため 福函使用時に容器体が邪魔とならず、しかも注出筒の位 置を変えても上記した如く注出筒部村は良好な作動を行 えるものである。

### 【図面の簡単な説明】

【図1】 本発明の一実権例を示す要部総断面図であ

【図2】 同実能例の吐出具本体の凝断面図である。

【図3】 同夷銘例の吐出具本体の底面図である。

[図4] 同東站例の連結筒部材の分解状態の凝断面図 である。

【符号の説明】

2…エアゾール容器体, 4…締形吐出具, 6…ステム, 13…吐出具本体、14…連結歐部材,15…周壁,16…頂 壁、17…往出筒、18…梅囱、19…吐出孔。20…连结筒。

10 21…押し釦, 23…環状ピストン

